

FIG 1A

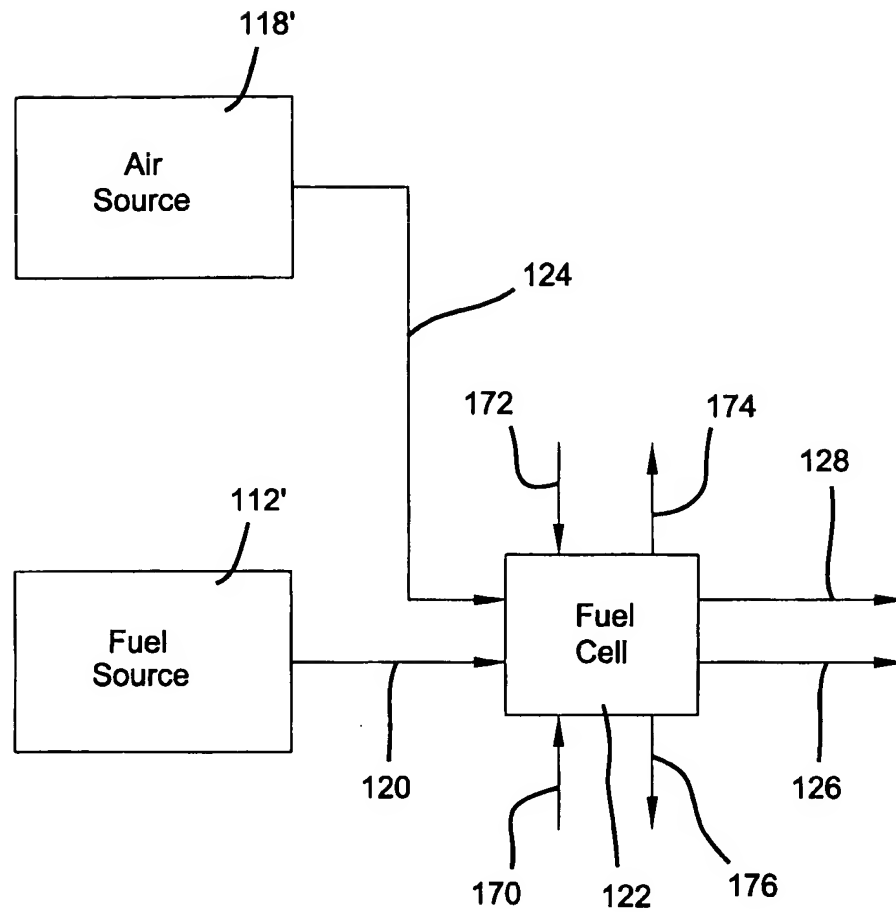


FIG 1B

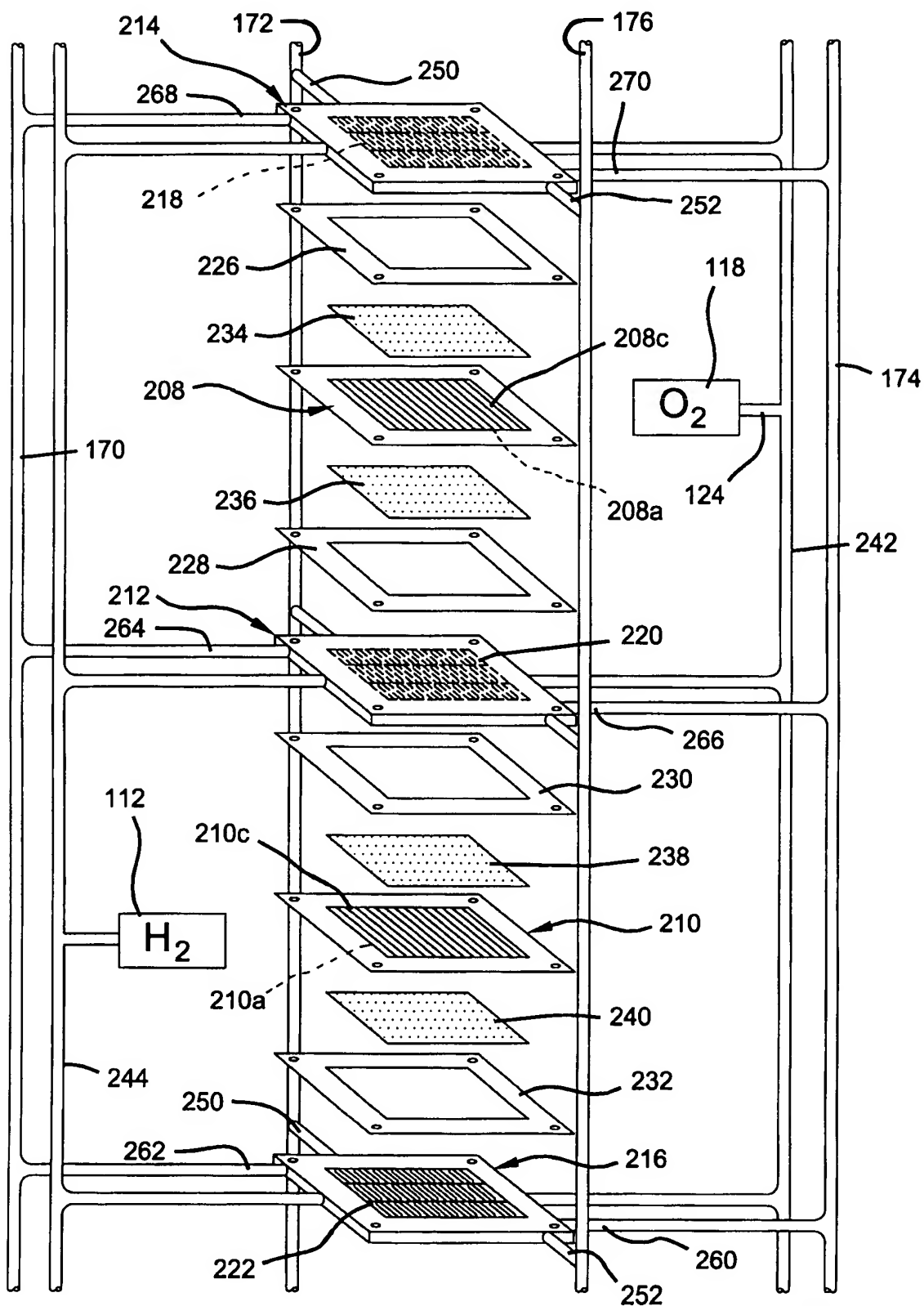


FIG 2

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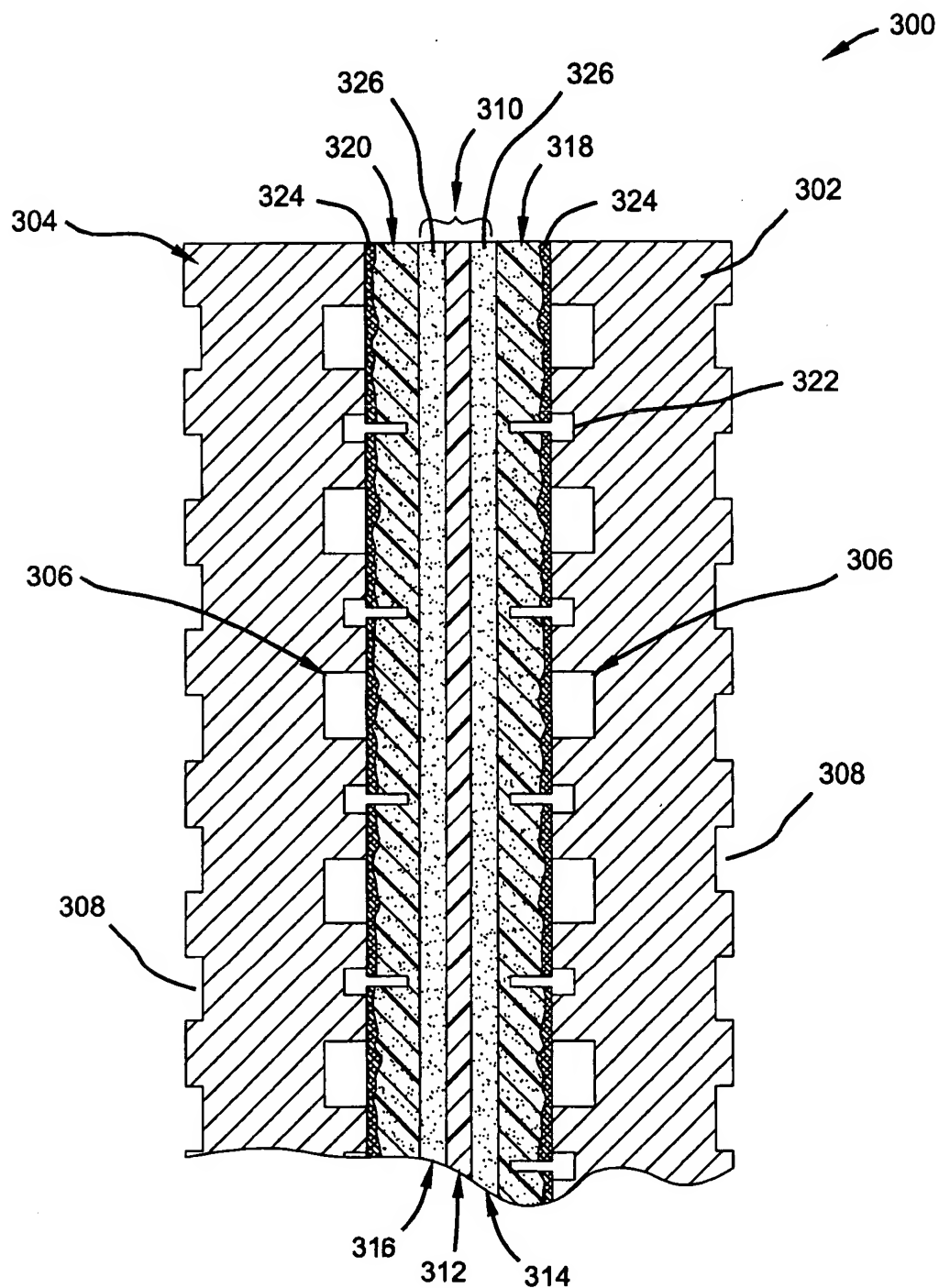


FIG 3

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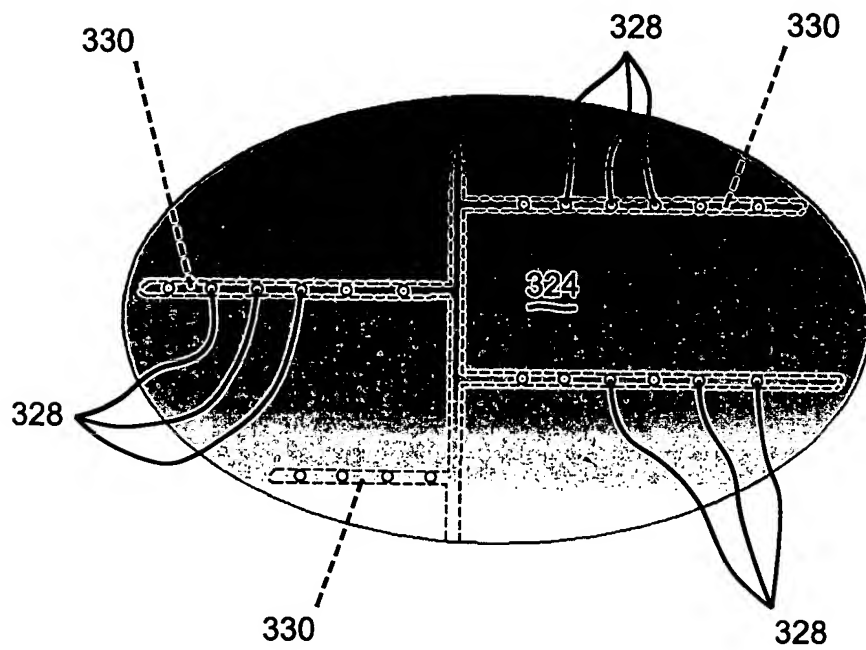
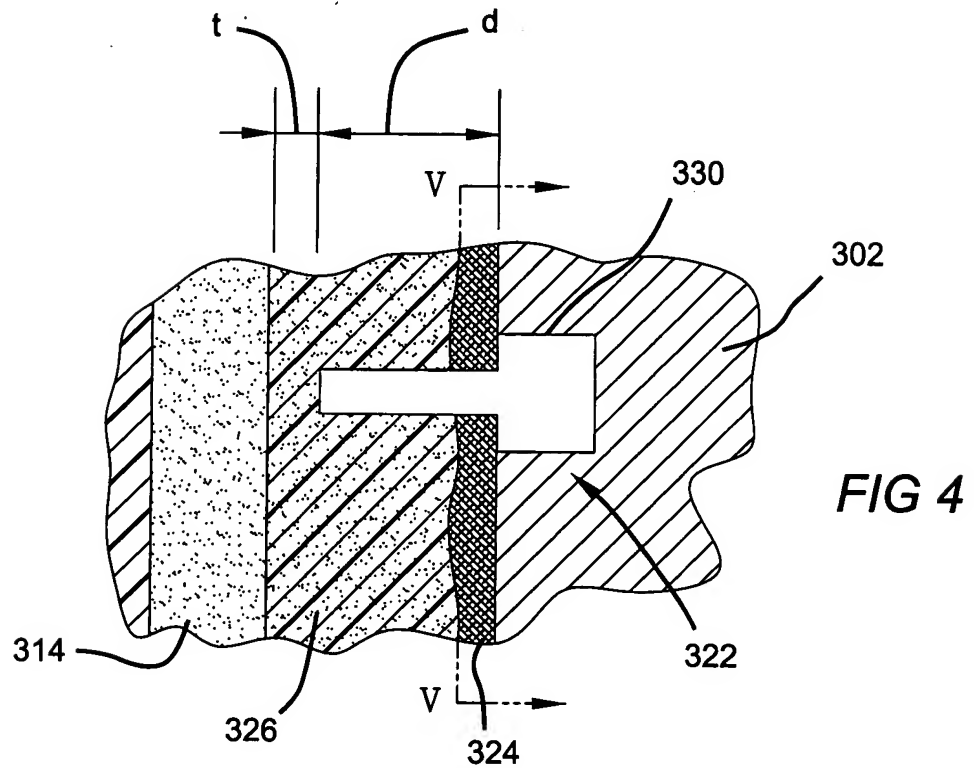
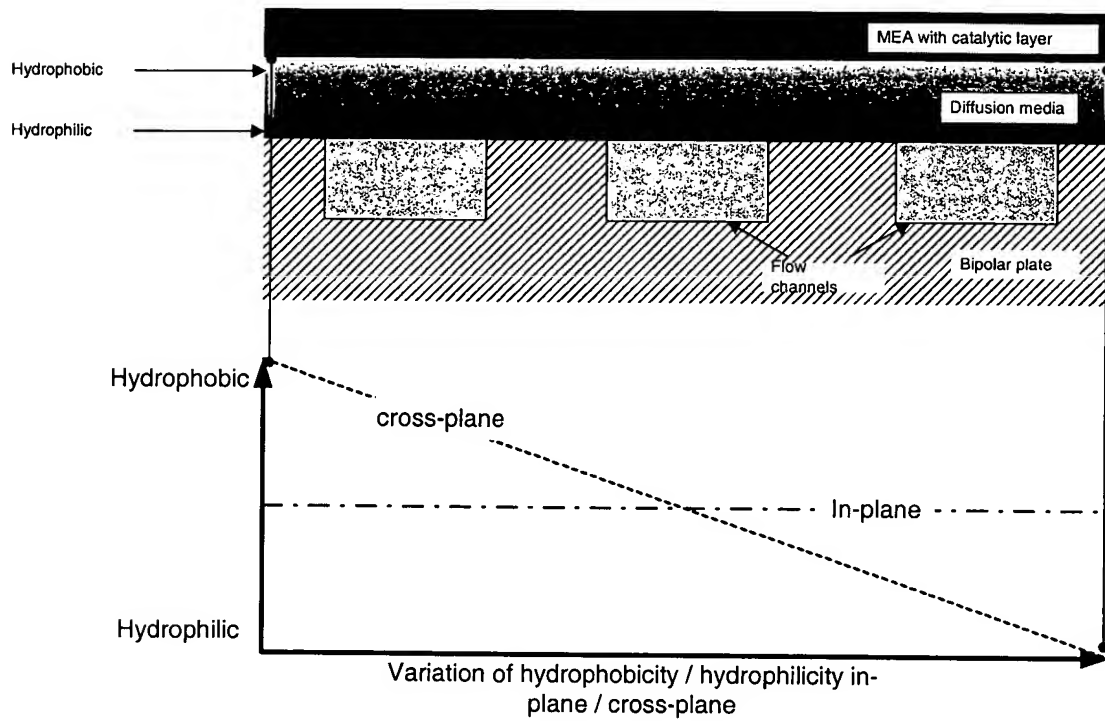


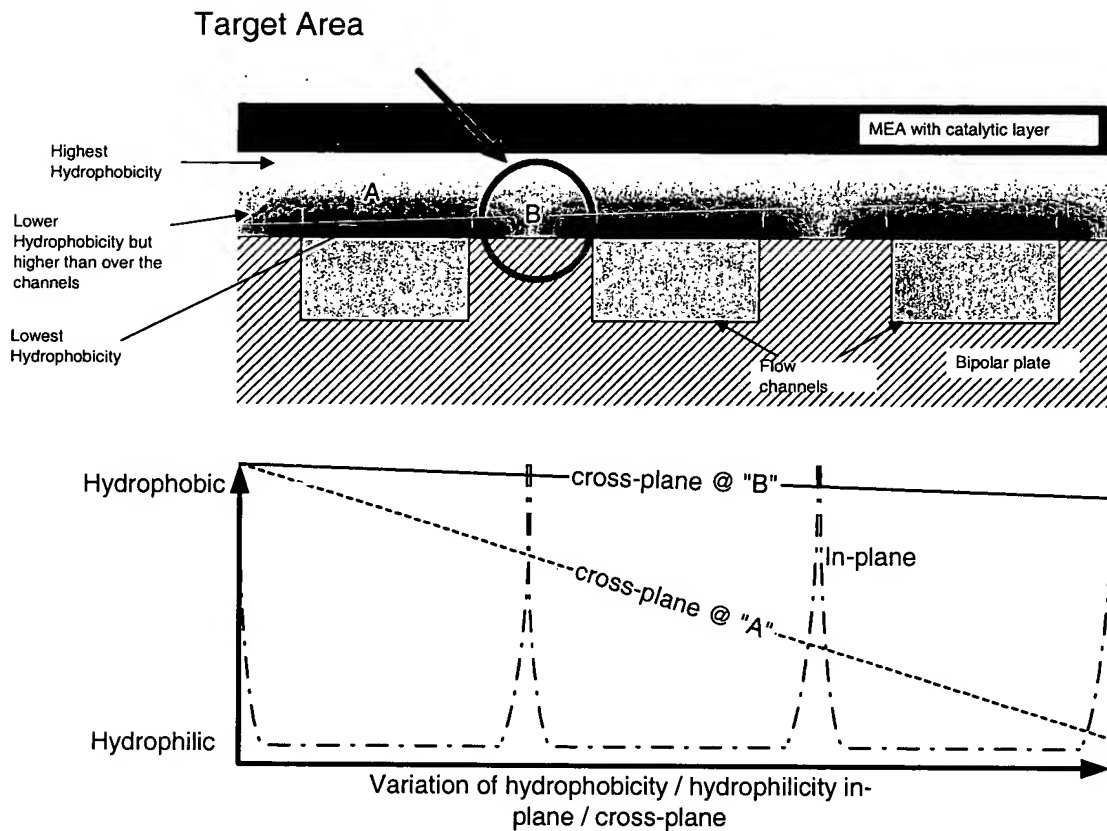
FIG 5

Figure 6



Schematic of distribution of even hydrophobicity and even hydrophilicity over gas diffusion media leading to non-optimal water management.

Figure 7



Schematic of distribution of hydrophobicity and hydrophilicity over gas diffusion media per the invention to optimize water management.